

Appl. No. : 10/697,710
Filed : October 30, 2003

AMENDMENTS TO THE CLAIMS

Please cancel Claim 2;

Please amend the claims as follows:

1. (Currently Amended) An apparatus for installing a sheet of pipe liner inside a man-entry sized pipe comprising:

a form having an exterior surface adapted to position the sheet of pipe liner adjacent the inner walls of the pipe, wherein the exterior surface substantially conforms to the contours of the inner walls and wherein the exterior surface of the form has a plurality of openings formed therein;

an air cushion system that reduces the friction between the sheet of pipe liner and the exterior surface of the form wherein the air cushion system includes a plurality of pipes that provides pressurized air through the openings in the exterior surface of the form such that the pressurized air engages the sheet of pipe liner and urges the sheet of pipe liner away from the exterior surface.

2. (Cancelled)

3. (Original) The apparatus of Claim 1, wherein the form can be extended and retracted in a horizontal direction.

4. (Original) The apparatus of Claim 1, wherein the form can be extended or retracted in a vertical direction.

5. (Original) The apparatus of Claim 1, wherein the form comprises an upper portion and side walls, wherein the side walls can be pivoted relative to the upper portion.

6. (Currently Amended) An apparatus for installing a pipe liner inside a sewage pipe having a first cross-sectional configuration, the apparatus comprising:

a form having at least one movable surface having a first and second end that extends in a first direction which receives a flexible sheet of liner wherein the movable surface is movable between a first position and second position, wherein the movable surface in the second position is positioned substantially adjacent the inner wall of the sewage pipe with the liner positioned substantially adjacent the inner wall of the sewage pipe wherein the form further includes a bulkhead that is positioned adjacent a first end of

the movable surface and extends in a second direction wherein the bulkhead defines at least one opening;

an adhesive injection system that injects an adhesive between the liner and the inner walls of the sewage pipe to adhere the liner to the inner wall of the sewage pipe wherein the adhesive injection system injects the adhesive through the openings in the bulkhead.

7. (Original) The apparatus of Claim 6, wherein the form comprises a plurality of curved sections that collectively define the at least one movable surface.

8. (Original) The apparatus of Claim 7, wherein the plurality of curved sections are hingeably attached to each other so as to be able to expand outward so as to position the at least one movable surface adjacent the inner walls of the sewage pipe.

9. (Original) The apparatus of Claim 8, wherein the cross-sectional configuration of the form with the at least one movable surface in the second position is substantially the same as the cross-sectional configuration of the inner walls of the sewage pipe.

10. (Original) The apparatus of Claim 9, wherein the cross-sectional configuration of the form with the at least one movable surface in the second position comprises a hemispherical shape.

11. (Original) The apparatus of Claim 6, further comprising an air cushion system that reduces the friction between the sheet of pipe liner and the movable surface of the form.

12. (Original) The apparatus of Claim 6, further comprising an actuation system for moving the at least one movable surface between the first position and the second position.